

09/199,447

ABSTRACT OF THE DISCLOSURE

~~This invention relates to a fretting-resisting roller bearing of which the various characteristics are not adversely affected and which achieves a higher temperature and a higher speed as well as a longer life.~~ In a roller bearing comprised of a plurality of rolling elements <sup>A3</sup> held between inner and outer races <sup>A3</sup> with a cage interposed therebetween, <sup>and where in an</sup> the oil film of lubricating oil of which the dynamic viscosity at 40°C <sup>is 20 to 150 mm<sup>2</sup>/s</sup> <sup>and</sup> <sup>α4</sup> is formed on the raceway surfaces of the inner and outer races, the cage and the rolling elements and grease is enclosed.

*Mr A3*

*A*

*Mr A4*

*10*

*α4*